



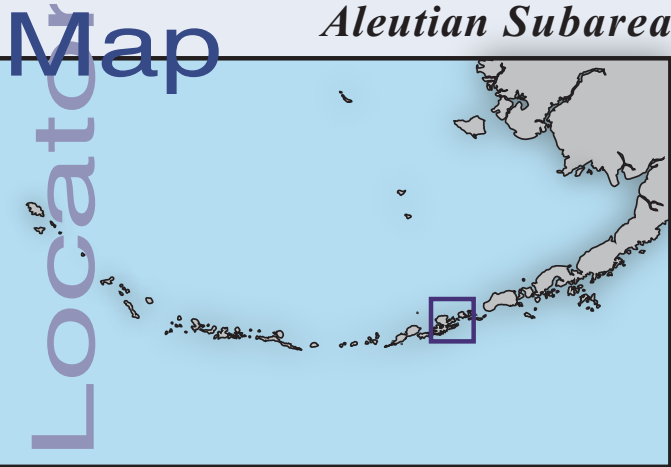
Dutch Harbor viewed from the east.



APL Dock and Iliuliuk Harbor viewed from the northwest.

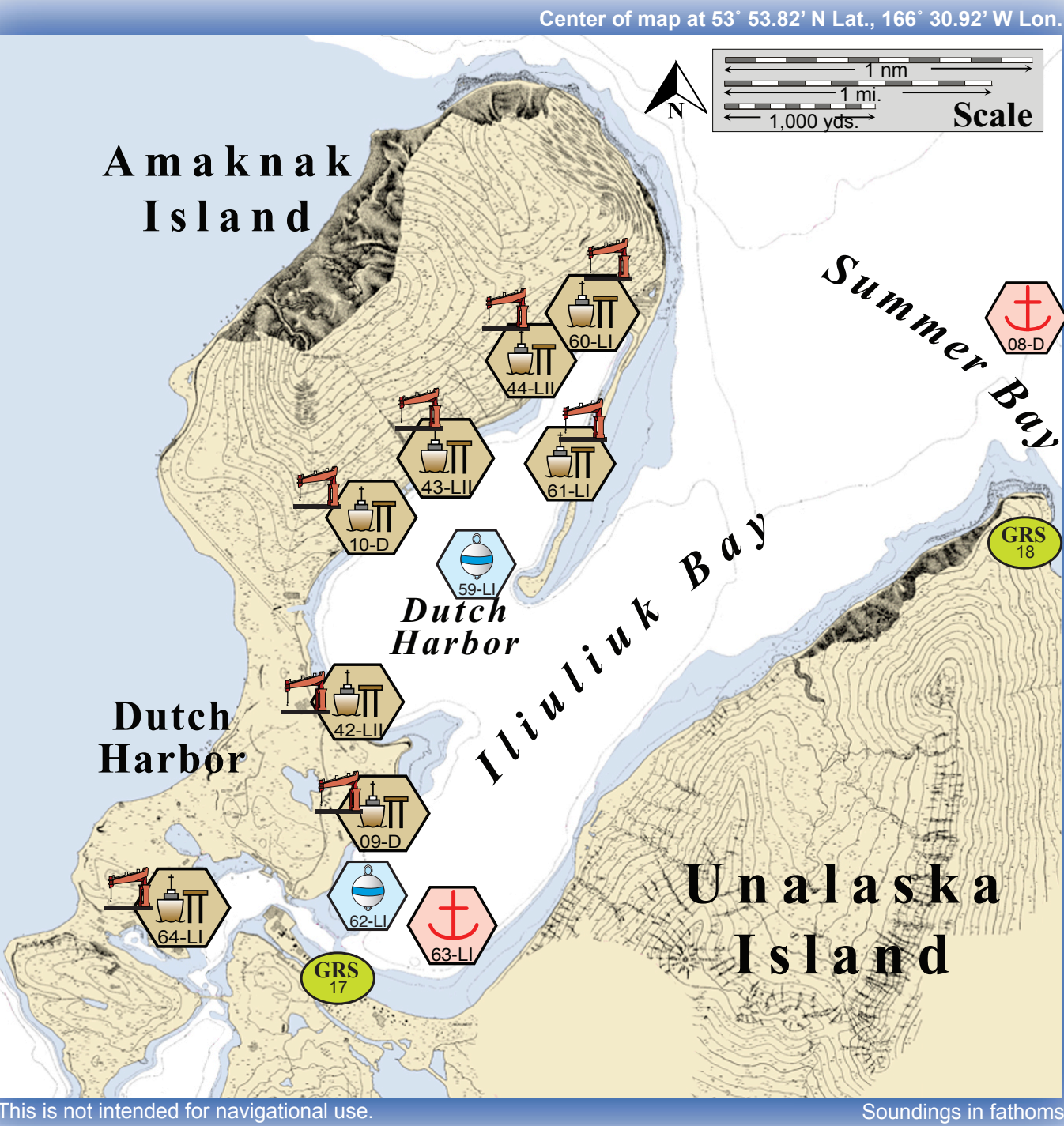


Dutch Harbor viewed from the northwest.



Stakeholders for PPOR Map 04 of the Aleutian Subarea	
Year-2007	Contact
Aleut Corporation	President
Aleutians East Borough	Mayor
Alaska Dept of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Natural Resource Manager
Alaska Maritime National Wildlife Refuge	Dept of the Interior- Regional Environmental Officer
Aleut Marine Mammal Commission	Director
City of Unalaska	Mayor
Ounalashka Corporation	CEO
Native Allotments	Dept of the Interior- Regional Environmental Officer

Potential Places of Refuge for Aleutians Subarea



Anchorage
 Existing GRS

Mooring
 Fish Hatchery

Dock/pier
 Private Cabins

Crane
 Public Use Cabins

Airport
 Boat Harbor

Map Legend

Aleutian PPOR Map 04

Site Considerations for PPOR Map 04 of the Aleutian Subarea													Site ID Number and Vessel Class Classification
	Summer Bay	Dutch Harbor- APL dock	Dutch Harbor- UMC/USCG Position #1-5	Dutch Harbor- Delta Western	Magone Marine Services	Dutch Harbor- Western Pioneer	Dutch Harbor Mooring Bouys	Dutch Harbor- W.P. Aux. Dock	Light Cargo Dock	Iliuliuk Bay Mooring	Iliuliuk Bay Anchorage	Iliuliuk Harbor- Docks	<div>D = A deep draft vessel that exceeds 20,000 Gross Tons, has drafts of 25-60 ft. and ranges from 450 ft.-1000 ft. LOA, typical of Tankers/ Cruiseships</div> <div>LII= A light draft vessel of 10,000 to 19,999 Gross Tons, has drafts up to 25 ft., LOA up to 450 ft., typical of Ferrys/Trampers</div> <div>LI= A light draft vessel of 300 to 9,999 Gross Tons, has drafts up to 25 ft., LOA up to 450 ft., typical of Ferrys/ Trampers</div> <div>S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft., typical of Excursion/Fishing vessels</div>
ID Number	08-D	09-D	10-D	42-LII	43-LII	44-LII	59-LI	60-LI	61-LI	62-LI	63-LI	64-LI	
Human Health & Safety													
Communities – distances-nm	Unalaska- 2.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska- 0.0	Unalaska-0.25	Unalaska- 0.0	
Natural Resource Considerations													
Fish & Wildlife	Spawning salmon, seals, sea otters, waterfowl concentrations, seabird and eagle nesting, shorebird concentration												
Threatened & Endangered Species	Steller's Eider and sea otters are present												
Sensitive Areas	Entire Area Designated as a Most Environmentally Sensitive Area (MESA 28b-ADF&G)												
Invasive Species-Rats	Rats are present in this area												
Other Stakeholder Considerations													
Fisheries	Groundfish, herring, salmon, crab												
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.												
Mariculture	None												
Subsistence	Salmon, marine mammals, waterfowl, crab, intertidal												
Tourism/Recreation	High recreational use area- sport fishing, kayaking, excursion boats, wildlife viewing												
Waterfront Public Facilities/Parks	None												
Waterfront Private Facilities	None	Gantry crane	Cannery facilities nearby, gantry crane	Dock crane	Ship yard services	None		Cranes available		None		Cannery cranes	
Response and Salvage Resource Considerations													
Ability to Boom Vessel	No	Weather dependent		Yes			Weather dependent	Yes		No		Yes	
Emergency Tow System	An emergency tow system is available to assist disabled vessels in Unalaska and Aleutian Subarea. Contact the USCG MSD-Unalaska-907.581.3466 and the Unalaska Harbor Master 907.581.1254 for additional information.												
Geographic Response Strategies	AEB-19 Summer Bay	None										AEB-19 Iliuliuk River	
Closest Alternative Places of Refuge (same sized vessel)	4 nm. to 10-D Dutch Harbor UMC	1.5 nm. to 10-D Dutch Harbor UMC	1.5 nm. to 09-D Dutch Harbor APL	1.3 nm. to 44-LII Western Pioneer	.5 nm. to 44-LII Western Pioneer Dock	.3 nm to 43-LII Magone Dock	.2 to 61-LI Light Cargo Dock	.3 to 61-LI Light Cargo Dock	.5 to 59-LI W.P. Aux Dock	.3 to 63-LI Iliuliuk Anchorage	.3 to 62-LI Iliuliuk Mooring	.75 to 62-LI Iliuliuk Mooring	
Physical and Operational Characteristics for PPOR Map 04 of the Aleutian Subarea													
	Summer Bay	Dutch Harbor- APL Dock	Dutch Harbor-UMC/USCG Position #1-5	Dutch Harbor- Delta Western	Magone Marine Services	Dutch Harbor- Western Pioneer	Dutch Harbor Mooring Bouys	Dutch Harbor-W.P. Aux. Dock	Light Cargo Dock	Iliuliuk Bay Mooring	Iliuliuk Bay Anchorage	Iliuliuk Harbor- Docks	
ID Number	08-D	09-D	10-D	42-LII	43-LII	44-LII	59-LI	60-LI	61-LI	62-LI	63-LI	64-LI	
Location	53°55.50'N 166°37.75'W	53°54.12'N 166°31.76'W	53°54.85'N 166°27.42'W	53°52.80'N 166°32.36'W	53°54.30'N 166°31.38'W	53°54.67'N 166°30.65'W	53°53.94'N 166°31.28'W	53°53.50'N 166°32.06'W	53°54.28'N 166°30.73'W	53°52.76'N 166°31.28'W	53°53.59'N 166°33.59'W	53°52.77'N 166°33.05'W	
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons			Light draft-II, 10,000 to 19,999 Gross Tons			Light draft-I, 300 to 9,999 Gross Tons						
Type of Berthing	Anchorage	Dock					Mooring	Dock		Mooring	Anchorage	Dock	
Contact	N/A	Facility Manager- 907.581.1200 Harbormaster- 907.581.1254	MSD-Unalaska- Supervisor-907.581.3466 Harbormaster-907.581.1254	Delta Western 907.581.1295	Dan Magone- 907.581.1400 Harbormaster- 907.581.1254	Facility Manager- 907.581.1295 Harbormaster- 907.581.1254	Delta Western 907.581.1295	Facility Manager- 907.581.1295 Harbormaster- 907.581.1254	Harbormaster 907.581.1254	Northland Services 907.581.6077	Harbormaster 907.497.2237	Plant Manager 907.581.7300	
Navigational Approach	Approach from the NW	Approach from NE,E	Approach from the W	Approach from the NE	Approach from the S	Approach from the S	Approach from the S	Approach from the E	Approach from the S	Approach from the NE	Approach from the NE	Approach from the E	
Minimum Water Depth	54 Feet in the swing area	38 Fathoms in swing area	42 Feet on Approach	30 Feet at the dock face	36 Feet at the dock face	33 Feet at the dock face	17 Fathoms in swing area	33 Feet at the dock face	27 Feet at the dock face	36 Feet in the swing area	13 Fathoms in swing area	22 Feet on approach (constricted channel)	
Maximum Water Depth	54 Feet in the swing area	16 Fathoms in swing area	45 Feet at the dock face	30 Feet at the dock face	36 Feet at the dock face	33 Feet at the dock face	17 Fathoms in swing area	33 Feet at the dock face	27 Feet at the dock face	36 Feet in the swing area	16 Fathoms in swing area	24 Feet at the dock face	
Maximum Vessel Draft	50 ft.		24-39 ft. Position dependent	30 ft.	35 ft.	27 ft.	30 ft.	29 ft.	25 ft.	30 ft.	30 ft.	24 ft. (tidal dependent)	
Swing Room/Dock Face	1800 ft.	1800 ft.	1420 ft.	485 ft.	625 ft.	565 ft.	800 ft	150 ft. Dock Face 300 ft. w/ dolphins	190 ft. Dock Face (370 ft. w/ dolphins)	1200 ft.	1200 ft.	540 ft.	
Bottom Type	Rocky	N/A										Silt	N/A
Docks/Piers	Nearest Alt. Dock- 09-D APL Dock	Nearest Alt. Dock- 10-D UMC/USCG Wharf Positions #1-7	Nearest Alt. Dock- 09-D APL Dock	Nearest Alt. Dock 45-LII Western Pioneer	Nearest Alt. Dock 45-LII Western Pioneer	Nearest Alt. Dock 44-LII W.P. Aux. Dock	Nearest Alt. Dock 42-LII Westward Seafood	Nearest Alt. Dock 44-LII Western Pioneer	Nearest Alt. Dock 44-LII Western Pioneer	Nearest Alt. Dock 64-LI Iliuliuk Harbor Docks	Nearest Alt. Dock 61-LI Magone Marine Services	Nearest Alt. Dock 42-LII Delta Western	
Moorings	Nearest Mooring-Wide Bay-06-D			Nearest Mooring-Dutch Harbor 59-LI			Nearest Mooring-Iliuliuk Bay- 62-LI	Nearest Mooring-Dutch Harbor 59-LI			Nearest Mooring-Iliuliuk Bay- 62-LI		
Anchorage	Nearest Alt. Anchorage-06-D Wide Bay	Nearest Alt. Anchorage- 06-D Wide Bay	Nearest Alt. Anchorage-09-D Summers Bay	Nearest Anchorage- 45-LII Hog Island	Nearest Alt. Anchorage- 61-LI Iliuliuk Bay	Nearest Alt. Anchorage- 61-LI Iliuliuk Bay	Nearest Alt Anchorage- 63-LI Iliuliuk Bay	Nearest Alt Anchorage- 63-LI Iliuliuk Bay	Nearest Alt. Anchorage- 61-LI Iliuliuk Bay	Nearest Alt. Anchorage- 61-LI Iliuliuk Bay	Nearest Alt. Anchorage- 09-D Summers Bay	Nearest Alt. Anchorage- 61-LI Iliuliuk Bay	
Prevailing Winds	Summer-southwest through northwest winds are common. Winter- winds occur from all directions.												
Currents	Local currents are tidally influenced. All passes in the subarea have significant currents												
Tides	Mean High Water-3.4 (Higher- 3.7) , Mean Low Water- 1.2 (Lower- -2.5)												
Sea Conditions	Exposed to seas from the W-N	Sheltered from extreme sea states								Exposed to seas from the NE-NW		Sheltered from extreme sea states	
Shelter from Severe Storms	Sheltered E-W	Sheltered from all but extreme storms								Sheltered E-W		Sheltered from all but extreme storms	
Fog	Fog can occur during all seasons												
Sea ice	Sea ice unlikely												